

**PROACTIVE REPAIR PROCESS IN THE xDSL NETWORK (WITH A
VDSL FOCUS)**

ABSTRACT OF THE DISCLOSURE

[122] A method for proactively managing a fault in a video and data network is provided. The method includes collecting network correlation data for the fault. Additionally, a physical connectivity test of the video and data network is automatically performed. Physical connectivity data from the physical connectivity test is collected. Also, a virtual connectivity test of the video and data network is automatically performed. Virtual connectivity data from the virtual connectivity test is collected. The network correlation data, physical connectivity data, and virtual connectivity data is then correlated based on the fault. Once the correlation is performed, a defined resolution procedure for resolving the fault using the correlated network correlation data, physical connectivity data, and virtual connectivity data is provided.

SF 1248117 v2